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CPY - NPPP

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FS - CPI;GMPi

IC - B29C61/06 ; B29K23/00 ; B29K105/02 ; B29L7/00 ; B65B53/00 ; C08J5/18 ;
C08L23/14 ; C08L23/16 ; G09F3/04

MC - A04-G01E A04-G09 A12-P A12-W03

PA - (NPPP) JAPAN POLYCHEM CORP

PN - JP2002212359 A 20020731 DW200281 C08L23/14 012pp

PR - JP20010008650 20010117

XA - C2002-211212

XIC - B29C-061/06 ; B29K-023/00 ; B29K-105/02 ; B29L-007/00 ; B65B-053/00 ;
C08J-005/18 ; C08L-023/14 ; C08L-023/16 ; G09F-003/04 ; (C08L-057/02) ;
(C08L-023/14)

XP - N2002-586254

AB - JP2002212359 NOVELTY - A heat shrinkable polypropylene-based resin
composition (I) consists of (wt.%):

- (A) a crystalline propylene-alpha-olefin random copolymer comprising propylene as its major constituent (95-100); and
- (B) an alicyclic hydrocarbon resin having a softening temperature of 110 deg. C or higher (0-5 wt.%).
- DETAILED DESCRIPTION - A heat shrinkable polypropylene-based resin composition (I) consists of (wt.%):
- (A) a crystalline propylene-alpha-olefin random copolymer comprising propylene as its major constituent (95-100); and
- (B) an alicyclic hydrocarbon resin having a softening temperature of 110 deg. C or higher (0-5 wt.%).
- (I) is satisfied with:
- (a) melt flow rate at 230 deg. C and a 2.16 kg-load - 0.5-10 g/10 minutes;
- (b) major fusion peak temperature obtained with a differential scanning calorimeter - 100-140 deg. C; and
- (c) T50 = less than or equal to 125 deg. C.
- T50 = temperature (deg. C) obtaining a heat of fusion measured from low temperature side of 50% delta Hm when the total heat of fusion of the polypropylene-based resin composition obtained with the differential scanning calorimeter is defined as delta Hm.
- USE - (I) is used as a shrinkable label or a film used for a shrinkable label.
- ADVANTAGE - The film has very low specific gravity, dramatically enhanced rate of heat shrinkage, enhanced low-temperature rate of shrinkage. The shrinkable label has a specific gravity of less than 1.0, 0.92-0.98 after fabrication including printing. The result provides the container with lightweight and allows floatation separation by water from the polyethylene terephthalate bottle.
- (Dwg.0/0)

C - C08L57/02